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Part Number: [0887418800](#)
Status: **Active**
Description: MicroCross™ DVI Digital Visual Interface, Shielded I/O Adapter, DVI-Digital Plug to DFP Receptacle

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	I/O Connectors
Series	88744
Application	Wire-to-Board
Comments	DVI-Digital Plug to DFP Receptacle
Component Type	Adapter
Product Name	MicroCross™DVI
Type	N/A

Physical

Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	100
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Polyester
Orientation	Vertical
PCB Retention	Yes
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface (in)	0.075 In
Pitch - Mating Interface (mm)	1.90 mm
Plating min: Mating (µin)	10
Plating min: Mating (µm)	0.25
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.80
Polarized to Mating Part	Yes
Surface Mount Compatible (SMC)	N/A
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	N/A
Wire Size AWG	N/A

Electrical

Current - Maximum per Contact	3A
Shielded	Yes
Voltage - Maximum	40V

Material Info

Reference - Drawing Numbers

Sales Drawing	SD-88741-009
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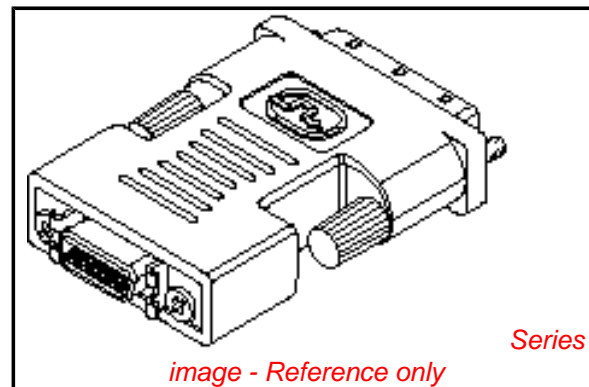


image - Reference only

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

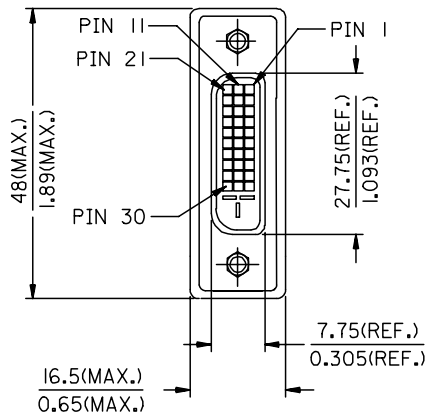
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

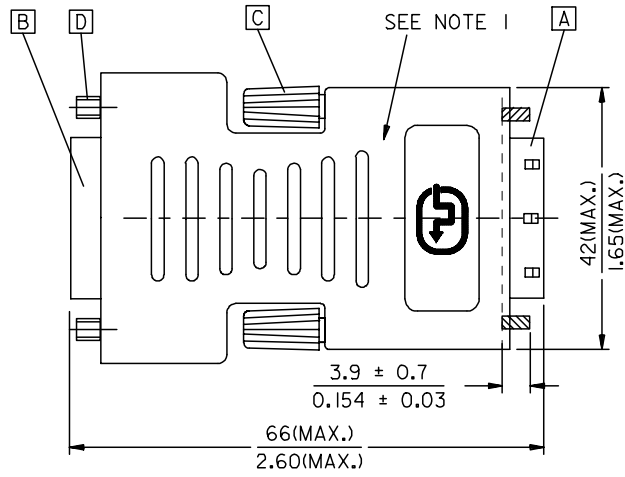
88744Series

Mates With

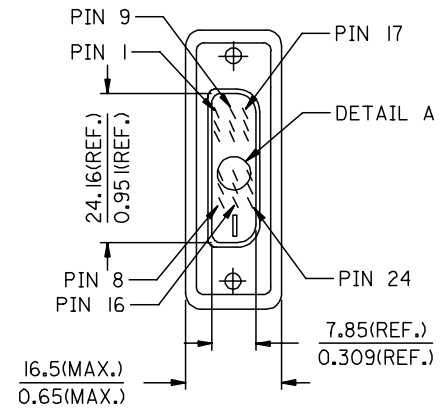
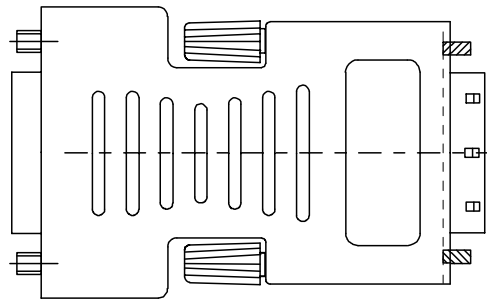
74320 receptacles



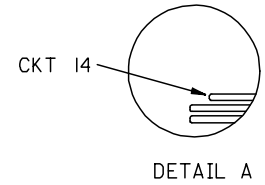
P&D-D(F)



BACK SIDE



DVI-D(M)



ENTER DESCRIPTION EC NO: DG2006-0186 DRWN:PDAI CHKD: APPR:TKAN	2006/03/09 2006/03/09 2006/03/10	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM/IN		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
	DESCRIPTION			mm	INCH	DRAWN BY	DATE	TITLE				
				4 PLACES	± ---	± ---	PDAI	2006/03/07	DVI_D(M)-P&D(F) ADAPTER			
				3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX INCORPORATED			
				2 PLACES	± ---	± ---	ZXDENG	2006/03/07	MATERIAL NO. 88741-8900			
		1 PLACE	± ---	± ---	APPROVED BY	DATE	DOCUMENT NO. SD-88741-010		SHEET NO. 1 OF 2			
			ANGULAR ± ---°		BORON	2006/03/07	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS												

NOTE: 1. MOLD WITH SNOW WHITE PVC RESIN 887800076 FOR ADAPTOR COVER.

- 2. DVI CONNCECTOR SPECIFICATION
 - 2.1 REFER TO PRODUCT SPEC. PS74320-0001.
 - 2.2 CONTACT PLATING: AU FLASH.
- 3. ELECTRICAL PERFORMANCE
 - 3.1 INSULATION RESISANCE: 20 M Ohms Min
 - 3.2 DIELECTRIC STRENGTH: 300V DC FOR 10 MILLISECONDS.
- 4. ADAPTOR SPECIFICATION
 - 4.1 REFER TO PRODUCT SPEC. PS88741-8800.
- 5. THIS PRODUCT MUST MEET MX RoHS COMPLIANCE.

7. MATERIAL LIST

D	P&D CONNECTOR FEMALE SCREW 717810001
C	ADAPTER SCREW 887806003
B	P&D FEMALE CONNECTOR 737129000
A	DVI_D SINGLE CHANNEL G/F CONNECTOR 743230001
ITEM	DESCRIPTION

6. CONNECTION DIAGRAM

SHIEDL	SHIELD	GROUND
PIN 15	PIN 24	TMDS CLOCK-
PIN 14	PIN 23	TMDS CLOCK+
PIN 7	PIN 22	TMDS CLOCK SHIELD
PIN 23	PIN 19	TMDS DATA 0 SHIELD
PIN 21	PIN 18	TMDS DATA 0+
PIN 22	PIN 17	TMDS DATA 0-
PIN 8	PIN 16	HOT PLUG DETECT
PIN 25	PIN 15	GROUND(+5V & HV SYNC.)
PIN 28	PIN 14	POWER +5V
PIN 13	PIN 11	TMDS DATA 1 SHIELD
PIN 11	PIN 10	TMDS DATA 1+
PIN 12	PIN 9	TMDS DATA 1-
PIN 26	PIN 7	DDC DATA
PIN 27	PIN 6	DDC CLOCK
PIN 3	PIN 3	TMDS DATA 2 SHIELD
PIN 1	PIN 2	TMDS DATA 2+
PIN 2	PIN 1	TMDS DATA 2-
P&D	DVI_D	CABLE FUNCTION

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